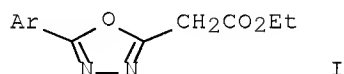
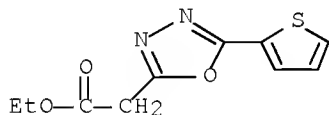


ACCESSION NUMBER: 2002:29404 CAPLUS Full-text
 DOCUMENT NUMBER: 136:340636
 TITLE: Synthesis of 5-(hetero)aryl-1,3,4-oxadiazolyl
 -2-acetic acids
 AUTHOR(S): Janda, Lubomir
 CORPORATE SOURCE: Aldrich Chemical Co., Inc., Milwaukee, WI, 53233, USA
 SOURCE: Heterocyclic Communications (2001), 7(5),
 411-416
 CODEN: HCOMEX; ISSN: 0793-0283
 PUBLISHER: Freund Publishing House Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 136:340636
 GI



AB Et (1H-tetrazol-5-yl)acetate is acylated with aroyl chlorides and heteroaroyl chlorides in pyridine. The intermediate acyltetrazoles undergo thermal degradation to Et [5-(hetero)aryl-1,3,4-oxadiazol-2-yl]acetates [I; Ar = 2-furanyl, 2-thienyl, (un)substituted phenyl]. The corresponding acetic acids are obtained by potassium hydroxide mediated hydrolysis of the esters in anhydrous ethanol.
 IT 415679-22-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and conversion to carboxylic acid)
 RN 415679-22-0 CAPLUS
 CN 1,3,4-Oxadiazole-2-acetic acid, 5-(2-thienyl)-, ethyl ester (CA INDEX NAME)



IT 415679-28-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 415679-28-6 CAPLUS
 CN 1,3,4-Oxadiazole-2-acetic acid, 5-(2-thienyl)- (CA INDEX NAME)

